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PATENT

Docket No.: 19226/2051 (R-5655)

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Thomas A. Szyperski

Examiner:

Unknown

Serial No. : 09/897,583

Cnfrm. No. : 1224

Art Unit:

2862

Filed : June 29, 2001

For : **METHOD OF USING REDUCED  
DIMENSIONALITY NUCLEAR MAGNETIC  
RESONANCE SPECTROSCOPY FOR  
RAPID CHEMICAL SHIFT ASSIGNMENT  
AND SECONDARY STRUCTURE  
DETERMINATION OF PROTEINS**

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INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §§ 1.97-1.98

Commissioner for Patents  
Washington, D.C. 20231  
**Box: Missing Parts**

Dear Sir:

Pursuant to 37 CFR §§ 1.97-1.98, applicant hereby brings to the attention of the United States Patent and Trademark Office, the enclosed references listed on the attached PTO-1449 form.

Pursuant to 37 C.F.R. § 1.97(b)(3), no fee is required. If additional fees are required, however, the Commissioner is hereby authorized to charge any fees to Deposit Account No. 14-1138.

Respectfully submitted,

Date: October 3, 2001

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R525151.1

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date below.

Oct. 4, 2001  
Date

Ruth R. Smith  
Ruth R. Smith

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use several sheets if necessary) (PTO-1449)	ATTY. DOCKET NO. 19226/2051 (R-5655)	SERIAL NO. 09/897,583
	APPLICANT Thomas A. Szyperski	
	FILING DATE June 29, 2001	GROUP ART UNIT 2862



## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

	1	Szyperski et al., "Reduced Dimensionality in Triple-Resonance NMR Experiments," <u>J. Am. Chem. Soc.</u> , 115:9307-9308 (1993)
	2	Szyperski et al., "3D $^{13}\text{C}$ - $^{15}\text{N}$ -Heteronuclear Two-Spin Coherence Spectroscopy for Polypeptide Backbone Assignments in $^{13}\text{C}$ - $^{15}\text{N}$ -Double-Labeled Proteins," <u>J. Biomol. NMR</u> , 3:127-132 (1993)
	3	Szyperski et al., 3D $\text{H}^{\alpha\beta}\text{C}^{\alpha\beta}(\text{CO})\text{NHN}$ , a Projected 4D NMR Experiment for Sequential Correlation of Polypeptide $^1\text{H}^{\alpha\beta}$ , $^{13}\text{C}^{\alpha\beta}$ and Backbone $^{15}\text{N}$ and $^1\text{H}^{\text{N}}$ Chemical Shifts," <u>J. Magn. Reson.</u> , B105:188-191 (1994)
	4	Szyperski et al., "A Novel Reduced-Dimensionality Triple-Resonance Experiment for Efficient Polypeptide Backbone Assignment, 3D $\text{CO HN N CA}$ ," <u>J. Magn. Reson.</u> , B108:197-203 (1995)
	5	Szyperski et al., "Useful Information from Axial Peak Magnetization in Projected NMR Experiments," <u>J. Am. Chem. Soc.</u> , 118:8146-8147 (1996)
	6	Szyperski et al., "Two-Dimensional $ct\text{-HC(C)H-COSY}$ for Resonance Assignments of Smaller $^{13}\text{C}$ -Labeled Biomolecules," <u>J. Magn. Reson.</u> , 128:228-232 (1997)
	7	Szyperski et al., "Sequential Resonance Assignment of Medium-Sized $^{15}\text{N}$ / $^{13}\text{C}$ -Labeled Proteins with Projected 4D Triple Resonance NMR Experiments," <u>J. Biomol. NMR</u> , 11:387-405 (1998)
EXAMINER		DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		